|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **4** | **3** | **2** | **1** |
| **Students will work collaboratively to set up, conduct, and accurately complete the lab.** | All students participated effectively in setting up, conducting, and accurately completing the lab. It is evident that all students participated. | Most of the students participated in setting up, conducting, and accurately completing the lab. It is somewhat evident that all students participated. | Some of the students participated in setting up, conducting, and accurately completing the lab. It is not evident that all students participated. | One of the students participated in setting up, conducting, and accurately completing the lab. No evidence is present that other students participated. |
| **Students will create a multimedia presentation that displays connections between data and mathematical models.** | The presentation shows clear connections between the scientific data and mathematical models. The mathematical model is included in the presentation and accurately described. | The presentation shows some connections between the scientific data and mathematical models. The mathematical model is included in the presentation but not accurately described. | The presentation shows few connections between the scientific data and mathematical models. The mathematical model is included in the presentation but not described. | The presentation shows no connections between the scientific data and mathematical model. The mathematical model is not included in the presentation. |
| **Data Analysis is properly displayed with accurate points, graph, and equation.** | All points are graphed accurately, accurate graph is graphed, and equation is accurate and relates to points and graph. Future predications are displayed and accurate. | All points are graphed accurately, accurate graph is graphed, and equation is accurate and relates to points and graph. No future predicates are displayed. | All points are graphed, the equation is corrected and included and graph is not correct or included. No future predictions are displayed. | All points are included. No equation or graph is correct or included. No predictions are displayed. |
| **Students will create, edit, and submit a collaborative storyboard that will assist in the presentation of the lab report.** | All students’ edits of the storyboard are evident. The storyboard contains pictures, graphs, and written summaries and descriptions of their lab findings that are strong structurally and contain valuable content. | Most of the students’ edits of the storyboard are evident. The storyboard contains pictures and graphs, but summaries and descriptions are vague and have weak structure and content. | Some of the students’ edits of the storyboard are evident. The storyboard contains few pictures and graphs and summaries and descriptions are lacking structure and valuable content. | One of the student’s edits of the storyboard are evident. The storyboard contains little to no pictures or graphs and summaries and descriptions contain no little to no structure and/or content. |
| **Students will present as a group and all members participate equally throughout the project** | All students participated in the presentation of the lab. | Most of the students participated in the presentation of the lab. | Some of the students participated in the presentation of the lab. | One of the students participated in the presentation of the lab. |